

Laboratory Certificate



11805 S.W. 26 Street-Room 208
Miami, Florida 33175-2474
T (786) 315-2590 Fax (786) 315-2599

This certifies that Exova Canada, Inc. located at 2395 Speakman Drive, Mississauga, ON L5K 1B3, Canada is an approved Testing Laboratory in accordance with Miami-Dade County Department of Regulatory and Economic Resources and Protocol TAS301-94, and is Certified to perform the following tests:

International Accreditation Service (IAS) TL-407


Results of the above mentioned test shall be properly submitted to the Miami-Dade County Department of Regulatory and Economic Resources per TAS301-94, along with all other documentation required for the approval of products. Approved engineer(s) for this laboratory:

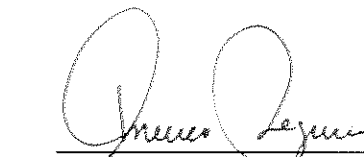
Samuel S. Shilesh, P.E.

This Certification and Registration Approved: October 03, 2013

This Certification and Registration Expires : November 20, 2018

Certification No. : 13-0820.15 Renewals: 11-1115.03


Jaime D. Gascon, P.E.
Product Control Section Supervisor
Product Control Section


Americo Segura, M.S.
Quality Assurance Unit Supervisor
Product Control Section

The Miami-Dade County Department of Regulatory and Economic Resources reserves the right to remove this certification for non-compliance with rules and regulations as set by Protocol TAS301-94.

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

EXOVA CANADA, INC., MISSISSAUGA LABORATORY

2395 SPEAKMAN DRIVE
MISSISSAUGA, ONTARIO L5K1B3
CANADA

Testing Laboratory TL-407
(Revised April 22, 2013)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing October 29, 2012, for the test methods listed in the approved scope of accreditation.


Patrick V. McCullen
Vice President


C.P. Ramani, P.E.
President



ACCREDITED

Print Date: 05/01/2013

(see attached scope of accreditation for fields of testing and accredited test methods)
This accreditation is valid only for the test methods listed in the scope of accreditation. For more information, contact IAS directly at (866) 354-8101.

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

Exova Canada Inc., Mississauga Laboratory
2395 Speakman Drive
Mississauga, Ontario L5K1B3
Canada

Lisa Kane
Quality Manager
(905) 822-4111

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing	<p>Construction Materials</p> <p>ASTM Standards D 1623, D 1761, D 2126, D 2842, D 4060, D 4216, D 4226 (except D 178 and D 374), D 6109 (except D 5947), E 72 (only Section 11), E 73, E 196, E 455, E 529, E 564, E 894 (except for E 488), E 935, E 985, E 2322 and F 970 (except F 1914 and F 387); CAN/CSA-S269.2, CSA S136;</p> <p>Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC308</p> <p>Concrete</p> <p>ASTM Standards C 67, C 297/C 297M (except D 3039/D 3039M, C 792, D 2734, D 3171, D 5229/D 5229M and E 4)</p> <p>Floor Coverings</p> <p>ASTM Standards D 1056 (except D 471 and D 575), F 137, F 386, F 1066 (except ASTM Standards F 925, F 1265, F 1304, F 1514, F 1914, F 2055, F 2199 and ANSI/ASQC Z1.4), F 1303, F 1344 (except D 2240, D 3389, F 373, F 410, F 511, F 925, F 1484, F 1514, F 2055, F 2199 and ANSI/ASQC Z1.4), F 1700 (except F 373, F 925, F 1514, F 1515, F 1914, F 2055, F 2199 and ANSI/ASQC Z1.4) and F 1913 (except F 410, F 925, F 1514, F 1515, F 1914 (ANSI/ASQC Z1.4); CGSB 75.1-M88 Section 7.2.7, Fed. Spec. L-F-001641</p>

October 29, 2012
Commencement Date

Print Date: 05/01/2013

This document is confidential and its use is restricted to the use of the accreditation information only. The certificate holder, Exova Canada Inc., is not responsible for the use of this document for any other purpose. For more information, contact the IAS Director at (905) 822-4111.



C. P. Ramani
C. P. Ramani, P.E.
President

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International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing (continued)	<p>Thermal Insulation ASTM Standards C 165 (except for E 4, E 177 and E 240), C 167, C 203, C 302, C 303, C 335 (except C 177, ISO 8497 and C 250), C 356 (except C 210), C 421, C 446, C 447 (except C 177 and C 1621), C 550, E 2098, E 2134, E 2273, E 2321, E 2359, E 2485 and E 2486; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC377</p> <p>Miscellaneous Construction Materials ASTM Standards C 272 (except C 271), C 367, C 1201, D 828, D 882, D 897, D 1037 (except C 273, D 143, D 905, D 2395, D 3043, D 3501 and E 4), E 661, E 1592, E 1677, E 2178 and E 2357; CAN/CGSB-41.24; AAMA Standard 503 Metal Curtain Wall Section 1 the following tests only: Wind Loads, Dead Loads, Uniform Structural Loads, Air Leakage, Water Penetration, Water Spray Test without Air Pressure Difference, AAMA Standard 508 (except AAMA Standard 501.1); APA S-2; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC39 and AC174 Plaster ASTM Standards C 473 (except D 3285 and E 4), C 1396/C 1396M (except E 119) and C 79/C 79M; CAN/CSA-A82.20.2-M</p>

October 29, 2012
Commencement Date

Print Date: 05/01/2013

For details of an accredited suspension, only IAS accreditation certificate number on earlier date. The certificate becomes invalid upon suspension. Consultation or revocation of accreditation.
See the IAS Accreditation Listings on the web at www.iasinc.org for current accreditation information or contact IAS directly at (866) 364-8201



C. P. Ramani
C. P. Ramani, P.E.
President

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing (continued)	<p>Insulating and Safety Glass ASTM Standards C 1036, E 546 (except ASTM Standard E 77), E 576 (except for ASTM Standard E 77), E 773, E 774 (except ASTM Standard E 1887), E 2188, E 2189, E 2190 (except ASTM Standard C 1265) and E 2649; ANSI Standard Z97-1; CAN/CGSB 12.1-M, 12.2-M, 12.3-M, 12.8-M, 12.11-M, 12.13-M, 12.20-M; CPSC16/CFR1201 Plastics ASTM Standards D 618, D 1621, D 1622, D 3045, D 4495 and D 5206; EN 12430 Packaging ASTM Standards D 4169 (except ASTM Standards D 951, D 4003, D 5265, D 5277, D 5487, D 6344 and D 7386), D 4728, D 5276, D 6055, D 6179, D 880 (samples up to 1000 lb.), D 999, and F 2096; ISTA Procedures 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 2A, 2B and 3E; MIL STD 202F (only for 201A, 204D), MIL STD 202G (only for 201A, 204D), MIL STD 810E (only for 514.4, 516.4), MIL STD 810F (only for 514.4, 516.5 (except V, VII and VIII)) and MIL STD 810G (only for 514.6, 516.6 (except for V, VII and VIII)); RTCA/DO-160D (only for 7 (samples up to 1000 lb), 8), RTCA/DO-160E (only for 7, 8) and RTCA/DO-160F (only for 7, 8)</p>

October 29, 2012
Commencement Date

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This accreditation certificate is valid only if the accredited entity complies with the requirements of the International Accreditation Service (IAS) and the International Accreditation Service (IAS) is not responsible for the actions of the accredited entity. The certificate holder must maintain the accreditation in accordance with the requirements of the International Accreditation Service (IAS) and the International Accreditation Service (IAS) is not responsible for the actions of the accredited entity. See the IAS Accreditation Listing on the web at www.iasinc.org for current accreditation information or contact IAS directly at (866) 264-2301.



C. P. Ramani
C. P. Ramani, P.E.
President

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing (continued)	<p>Furniture ANSI/BIFMA Standards X5.1, X5.3, X5.4, X5.5, X5.6, and X5.9 and ANSI/KCMA A161.1; BIFMA/CMD 1; CAN/CSB Standards 44.227 (except 4.3, 4.4, 4.11, 5, 5.2, 5.6, 6.1.2, 6.7, 7, 9), 44.232 (except 5.2, 5.4) and 44.229 (except 4.3, 4.10, 5.2, 5.3, 5.6, 6.1.4, 6.1.5, 6.1.6, 6.1.9, 6.1.10, 6.1.11, 6.2.5, 6.9, 7, 9); CKCA Standard; GPD 2 (except 5.3, 6.19, 7.1, 9.2.4, 9.2.6, 9.3.2, 9.5), GPD 6 and GPD 10 (except 6.1.2, 6.1.3); PD-1, PD-3 and PD-4 (except 6.1.2, 6.1.3); SEFA-8M (except 8) and SEFA-8W (except 8.1); SOHO S6.5</p>
Environmental	<p>ASTM Standards D 2247 (except D 2616, D 1654, D 3363, D 610 and D 714) and D 4332, D 6653/6653M; ISTA 7D (Thermal Cycling only); ANSI/AMCA Standard 210 and ANSI/ASHRAE 51; MIL STD 202F (only for 103B), MIL STD 202G (only for 103B), MIL STD 810E (only for 500.3 (except III and IV), 501.3, 502.3, 507.3), MIL STD 810F (only for 500.4 (except III and IV), 501.4, 502.4, 507.4) and MIL STD 810G (only for 500.5 (except III and IV), 501.5, 502.5, 507.5); RTCA/DO-160D (only for 5), RTCA/DO-160E (only for 5) and RTCA/DO-160F (only for 5)</p>

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C. P. Ramani
C. P. Ramani, P.E.
President

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C. P. Ramani, P.E.
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SCOPE OF ACCREDITATION

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Quality Manager
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October 29, 2012
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Print Date: 05/01/2013



C. P. Ramani
C. P. Ramani, P.E.
President

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International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing (continued)	Thermal Insulation ASTM Standards C 165 (except for E 4, E 177 and E 240), C 167, C 203, C 302, C 303, C 335 (except C 177, ISO 8497 and C 250), C 356 (except C 210), C 421, C 446, C 447 (except C 177 and C 1621), C 550, E 2098, E 2134, E 2273, E 2321, E 2359, E 2485 and E 2486; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC377 Miscellaneous Construction Materials ASTM Standards C 272 (except C 271), C 367, C 1201, D 828, D 882, D 897, D 1037 (except C 273, D 143, D 905, D 2395, D 3043, D 3501 and E 4), E 661, E 1592, E 1677, E 2178 and E 2357; CAN/CGSB-41.24; AAMA Standard 503 Metal Curtain Wall Section 1 the following tests only: Wind Loads, Dead Loads, Uniform Structural Loads, Air Leakage, Water Penetration, Water Spray Test without Air Pressure Difference, AAMA Standard 508 (except AAMA Standard 501.1); APA S-2; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC39 and AC174 Plaster ASTM Standards C 473 (except D 3285 and E 4), C 1396/C 1396M (except E 119) and C 79/C 79M; CAN/CSA-A82.20.2-M

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C. P. Ramani
C. P. Ramani, P.E.
President

This accreditation certificate is subject to the terms and conditions of the accreditation agreement. The certificate holder is responsible for ensuring that the scope of accreditation is maintained. For current accreditation information or contact IAS directly at (905) 364-8201.

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Physical Testing (continued)	<p>Insulating and Safety Glass ASTM Standards C 1036, E 546 (except ASTM Standard E 77), E 576 (except for ASTM Standard E 77), E 773, E 774 (except ASTM Standard E 1887), E 2188, E 2189, E 2190 (except ASTM Standard C 1265) and E 2649; ANSI Standard Z97-1; CAN/CGSB 12.1-M, 12.2-M, 12.3-M, 12.8-M, 12.11-M, 12.13-M, 12.20-M; CPSC16/CFR1201</p> <p>Plastics ASTM Standards D 618, D 1621, D 1622, D 3045, D 4495 and D 5206; EN 12430</p> <p>Packaging ASTM Standards D 4169 (except ASTM Standards D 951, D 4003, D 5265, D 5277, D 5487, D 6344 and D 7386), D 4728, D 5276, D 6055, D 6179, D 880 (samples up to 1000 lb.), D 999, and F 2096; ISTA Procedures 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 2A, 2B and 3E; MIL STD 202F (only for 201A, 204D), MIL STD 202G (only for 201A, 204D), MIL STD 810E (only for 514.4, 516.4), MIL STD 810F (only for 514.4, 516.5 (except V, VII and VIII)) and MIL STD 810G (only for 514.6, 516.6 (except for V, VII and VIII)); RTCA/DO-160D (only for 7 (samples up to 1000 lb.), 8), RTCA/DO-160E (only for 7, 8) and RTCA/DO-160F (only for 7, 8)</p>

October 29, 2012

Commencement Date

Print Date: 05/01/2013



ACCREDITED

C. P. Ramani
 C. P. Ramani, P.E.
 President

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This document is an uncontrolled representation of the accreditation scope. For the most current version, please refer to the IAS website or contact IAS directly at (905) 276-2001. See the IAS Accreditation Listings on the web at www.iasinc.org for current accreditation information, or contact IAS directly at (905) 276-2001.

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING		ACCREDITED TEST METHODS
Physical Testing (continued)	Furniture	ANSI/BIFMA Standards X5.1, X5.3, X5.4, X5.5, X5.6, and X5.9 and ANSI/KCMA A161.1; BIFMA/CMD 1; CAN/CSB Standards 44.227 (except 4.3, 4.4, 4.11, 5, 5.2, 5.6, 6.1.2, 6.7, 7, 9), 44.232 (except 5.2, 5.4) and 44.229 (except 4.3, 4.10, 5.2, 5.3, 5.6, 6.1.4, 6.1.5, 6.1.6, 6.1.9, 6.1.10, 6.1.11, 6.2.5, 6.9, 7, 9); CKCA Standard; GPD 2 (except 5.3, 6.19, 7.1, 9.2.4, 9.2.6, 9.3.2, 9.5), GPD 6 and GPD 10 (except 6.1.2, 6.1.3); PD-1, PD-3 and PD-4 (except 6.1.2, 6.1.3); SEFA-8M (except 8) and SEFA-8W (except 8.1); SOHO S6.5
Environmental		ASTM Standards D 2247 (except D 2616, D 1654, D 3363, D 610 and D 714) and D 4332, D 6653/6653M; ISTA 7D (Thermal Cycling only); ANSI/AMCA Standard 210 and ANSI/ASHRAE 51; MIL STD 202F (only for 103B), MIL STD 202G (only for 103B), MIL STD 810E (only for 500.3 (except III and IV), 501.3, 502.3, 507.3), MIL STD 810F (only for 500.4 (except III and IV), 501.4, 502.4, 507.4) and MIL STD 810G (only for 500.5 (except III and IV), 501.5, 502.5, 507.5); RTCA/DO-160D (only for 5), RTCA/DO-160E (only for 5) and RTCA/DO-160F (only for 5)

October 29, 2012
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This accreditation certificate is subject to periodic surveillance and re-evaluation. The certificate holder must maintain a record of all surveillance and re-evaluation activities. The certificate holder must also maintain a record of all corrective actions taken. The certificate holder must also maintain a record of all complaints received. The certificate holder must also maintain a record of all disputes received. The certificate holder must also maintain a record of all appeals received. The certificate holder must also maintain a record of all other activities related to the accreditation process.

See the IAS Accreditation System on the web at www.iasinc.org for current accreditation information or contact IAS directly at (866) 364-8201



C. P. Ramani
C. P. Ramani, P.E.
President

International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fenestration	ASTM Standards C 1401 (except C 99, C 510, C 719, C 794, C 880, C 1087, C 1135, C 1248, C 1253, C 1265, C 1294, D 2203 and E 1886; AAMA Standards 501.1 and 501.2), E 424, E 783, E 972, E 987, E 1084 and E 1105; AAMA Standard 508 (except 501.1); NFRC Standards 100, 101 and 202 (except ASTM Standards C 177, C 1114, C 1371, E 903, E 1225, E 1530, E 1933 and E 1952) 1201; CSA P.10, CAN/ULC S741;
Deck Board Composite Materials	ASTM Standards D 6662 (except D 6112, D 6341 and E 108), D 7031 (except C 1308, D 1413, D 143, D 2017, D 2047, D 2394, D 2395, D 2481, D 3345, D 4442, D 4761, D 5379, D 5764, E 108 and F 1679, AWWA Standards E1, E7 and E10), D 7032 (except D 198, D 1413, D 2017, D 2047 D 2394, D 3345, D 4761, D 5764, E 108, F 1679; AWWA Standards E1 and E10), E 2353 (except ASTM Standard E 2025) and E 2358 (except ASTM Standard E 2025) and CSSBI 12M
Construction Materials	CAN/CSA Standard CSA A370

October 29, 2012
Commencement Date

Print Date: 05/01/2013



C. P. Ramani
C. P. Ramani, P.E.
President

This accreditation certificate supersedes any IAS accreditation certificate bearing an equal or false. The certificate document, invalid upon suspension or revocation of accreditation.
See the IAS Accreditation listings on the web at www.iasinc.org for current accreditation information or contact IAS directly at (866) 364-8201.

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SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire and Flammability	Construction ASTM Standards D 3675, E 84 (except D 4442, D 4444, E 160, E 286, E 69), E 136, E 162, E 648, E 662, E 970, and E 1354; ISO 5660-1; NFPA Standards 253, and 258; Boeing BSS 7239; Bombardier SMP 800-C; UL Standard 723; CAN/ULC Standards S102, S102.2, S114, S127 and S135 ISO 10580; Elastomers and Protective and other Coatings ASTM Standards C 1166, D 568, D 635 and D 1929; UL Standard 94; ISO Standard 871 Furniture California TB 133

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For accreditation or for further information contact Exova Inc. The Exova Inc. website provides information on accreditation or for contact Exova Inc. directly at (905) 364-8201.
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C. P. Ramani
C. P. Ramani, P.E.
President

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials	ASTM Standards D 751, D 903, D 1230, D 1336, D 1388 (except for ASTM Standard D 3776), D 1422 (except for ASTM Standards D 1059, D 2258) and D 1423 (except for ASTM Standards D 1059 and D 1425), D 1578 (except for D 2258), D 1907 (except for ASTM Standards D 1059, D 2257 and D 2494), D 2136, D 2212, D 2244, D 2256/D 2256M (except for ASTM Standards D 3822 and D 885), D 2594, D 3359, D 3389, D 3884, D 3885, D 3886 (except for ASTM Standard D 1175), D 3940, D 3992 (except for ASTM Standards D 2130, Sections 32.302, and 31.301), D 4108, D 4157, D 4533, D 4632 (except for ASTM Standard D 461), D 496, D 4970 (except for ASTM Standard D 3511), D 6413, F 1506; AATCC Standards 16, 22, 35, 66, 70, 76, 92, 93, 96, 104, 116, 117, 118, 127, 133, 135, 143, 150, 162, and 175; CAN/CSGB Standards 4.129M, 4.155M, 4.161M, 4.2-M27.6, 4.2-M 27.7, 4.2 No. 27.10, 4.2 No. 78.1, 4.2 No. 59.1 as per AATCC 124, 4.2 No. 59.2 as per AATCC 88B, 4.2 No. 59.3 as per AATCC 88C, 20.23M, 155.1, 155.20, 155.22; CAN/CGSB 4.2 Textile Fabrics (only for No. 4.1: (Extension of March 1987), No. 5.1.; No. 6.; No. 7

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This accreditation certificate represents an IAS accreditation certificate issued on either date. The certificate document, valid upon suspension, continuation or revocation of accreditation.
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(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	(Extension of February 1988), No. 9.3, No. 9.5, No. 9.6, No. 12.2, No. 15, No. 18.2 - Part B01, No. 18.3 - Part B02, No. 25.1, No. 26.1 (Extension of September 1988), No. 26.3, No. 26.5, No. 30, No. 30.1, No. 31 based on ISO 105/X11 - Part X11, No. 35.1, No. 37 (Extension of September 1987), No. 45 (Extension of February 1988), No. 47, No. 51.1, No. 52.1, No. 55, No. 58, No. 68-92/ISO105-J01-89 - Part J01, No. 69, No. 71-M/ISO/TR 8091:83, No. 73.1M/ISO2647, No. 74-M/ISO3071, No. 75-93/ISO105-A01 - Part A01, No. 76-94/ISO 2551, No. 77.1-94/ISO 4919; No. 48CAN/CGSB 4.2 M 27.1, M 27.2, M 27.4 based on ISO 6940; CGSB 4.2 Method 11.1 as per ASTM Standard D 3786, CGSB 4.2 Method 11.2 as per ASTM Standard D 6797, CGSB 4.2 Method 12.1 as per ASTM Standard D 2261, CGSB 4.2 Method 12.3 as per ASTM Standard D 1424 (except for ASTM Standards D 2261, D 5587 and D 629), CGSB 4.2 Method 19.1 as per AATCC 61, CGSB 4.2 Method 20 as per AATCC 107, CGSB 4.2 Method 21 as per AATCC 106, CGSB 4.2 Method 22 as per AATCC 8, CGSB 4.2 Method 23 as per AATCC 15, CGSB 4.2 Method 26.2 as per AATCC 22, CGSB 4.2 Method 27.5, CGSB 4.2 Method 29.1 as per AATCC 132, CGSB 4.2 Method 32.1 as per ASTM Standards D 434 or D 1683, CGSB 4.2 Method 32.2 as per ASTM Standard D 1683, CGSB 4.2 Method 35.1 as per AATCC 23, CGSB 4.2 Method 36.1 as per ASTM Standard D 737 (except for ASTM Standard F 778), CGSB 4.2 Method 51.2 as per ASTM Standard D 3512.

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International Accreditation Service

SCOPE OF ACCREDITATION

Exova Canada Inc., Mississauga Laboratory TL-407

(Revised March 22, 2013)

FIELDS OF TESTING	ACCREDITED TEST METHODS
Textiles and Fibrous Materials (continued)	CGSB 4.2 Method 60 as per ASTM Standard D 3939 (except for ASTM Standards D 1335, D 2724 and D 5362, CGSB 4.2 Method 65), CGSB 4.2 Method 9.1 as per ASTM Standards D 5035 or D 1682 (except for ASTM Standard D 629), CGSB 4.2 Method 9.2 as per ASTM Standards D 5034 or D 1682 (except for ASTM Standard D 629); CAN/CSG 4.2 No. 10-M, No. 4.4, No. 5.2, No. 8.1 based on ISO 7211/4 - Part 4, No. 8.2 based on ISO 2061, No. 8.3 based on ISO 2, CAN/CSG 4.2 No. 3, No. 4.2, No. 4.3, No. 4.5, No. 24, No. 33, No. 39, No. 40, No. 42, No. 47 Part A03, No. 49, No. 56.1, No. 57, No. 63.1 to 63.3, No. 65, No. 66, No. 67, No. 72.1 to 72.3, No. 73.4, No. 73.5; CMVSS 302/FMVSS 302, UFAC, CPAC, CPAC 84, California Administrative Code Title 19 Para. 1237.1 and 1237.3, DOC FF-5-74; CANULC Standards S109, S137; BS Standard 4939; NFPA Standards 260, and 701; California TB 106 (superseded by 16 CFR Part 1632); California TB117 (Sec. A, Part 1 - Foam - Open Flame, Sec. B, Part 1 - Natural Batings - Open Flame Sec. C - Synthetic Batting - 45, Sec. D, Part 1 - Non Foam Filling Materials - Cigarette Test, Sec. D, Part 2 - Resilient Cellular Materials - Smoldering Cigarette Test, Sec. E - Fabric - 45, Sec. D, Part 2 - Resilient Cellular Materials - Smoldering Screening Test), California TB 121, California TB 129, California TB 603 (superseded by 16 CFR Part 1633); 14 CFR Part 25 App. F, Part I, 14 CFR Part 25 App F, Part V, 16 CFR Part 1610, 16 CFR 1615, 16 CFR Part 1632 (supersedes California TB 106), 16 CFR Part 1633 (supersedes California TB 603)

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Thermal Insulation	ASTM Standards C 209 (except ASTM Standards C 177 and C 1114), C 534/C 534M (except ASTM Standards C 177, C 692, C 871 and C 1114), C 547 (except ASTM Standards C 177, UL 723 and NFPA 255), C 578, C 591 (except ASTM Standards C 177, C 871, C 1114 and D 2856), C 1289 and C 1303; Test methods referenced in Sections 3.0 of ICC-ES Acceptance Criteria AC02, 3.0 and 4.0 of AC12 (except ASTM Standard E 119 and UL Standard 263), and 3.0 of AC263; MIL STD 810E (Method 505.3); BS EN 14179-1, Section 10 Loose Fill Insulation ASTM Standards C 520, C 533 (except ASTM Standards C 177, C 795, C 1114, C 1616 and C 1617); CAN/ULC-S706 (except CAN/ULC S773) Mineral Fiber ASTM Standards C 553 (except ASTM Standards C 177 and C 1114), C 612 (except ASTM Standard C 177 and C 1338), C 663 (except ASTM Standards C 177 and C 1114), C 665 (except ASTM Standard C 177), C 687 (except ASTM Standards C 177 and C 1114), C 726 (except ASTM Standards C 177, D 482, E 2058 and ISO 1716), C 764, C 1104/C 1104M; CAN/ULC S702 (except ASTM Standard C 177 and CAN/ULC S129); Test methods referenced in ICC-ES Acceptance Criteria AC187 Sections 3.0 and 4.0 Organic Cellular CAN/ULC S701 (except ASTM Standard C 177)

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Thermal Insulation (continued)	<p>Thermal Insulating Materials</p> <p>ASTM Standards C 610 (except ASTM Standard C 177), C 656 (except ASTM Standard C 177), C 991 (except ASTM Standards C 177 and C 1258), C 1029 (except ASTM Standards C 177, C 236 and D 2856), C 1382 (except ASTM Standard C 1135), C 1511, C 1559; CAN/ULC S 705.2, S 710.1, S 710.2, S 711.1 (except ASTM Standards C 177 and E 514) and CAN/ULC S 711.2;</p> <p>Thermal Properties</p> <p>ASTM Standards C 411, C 518 (except ASTM Standards C 177, C 236, C 976 and C 1114, ISO 8301), C 1101/C 1101M, C 1199 (except ASTM Standards C 177, C 236, C 976, and C 1114, BS874 Part 3, Sections 3.1 and 3.2, ISO 8990, and ISO 12567), C 1363 (except ASTM Standards C 177, C 1114, C 236 and C 976, ISO 12567, ISO 8990), E 2568 (except ASTM Standards E 2486, E 119, E 2134, E 2485 and NFPA 285); CAN/ULC S 703 (except ASTM Standard C 177, and CAN/ULC S 130), S 704 (except ASTM Standards C 177, C 1114 and D 3985), S 705.1 (except ASTM Standard C 177 and D 2856), S 712.1, S 716.1, S 741, S 742, S 770;</p> <p>MIL-I-2781F; NFR 102, 200, 201, 300, 500 and 501; AAMA 1503; ANSI/ASHRAE Standard 55</p>

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Roof Covering and Water Proof Membrane	ASTM Standards C 836 (except ASTM Standards C 794, C 1250 and C 1522), C 1304, C 1305, C 1335, D 1970, D 4060, D 4073, D 4434/D 4434M (except ASTM Standards D 5602 and D 5635), D 4541, D 5147 (except ASTM Standards D 95, D 146, D 4977, and D 5636), and E 96/E 96M; CAN/CGSB 51.33-M (except ASTM Standard D 1709 and ISO 1923), CAN/CGSB 51.34-M (except ASTM Standard D 1709, Section 5.7 and ISO 1923), CAN/CGSB 37.54-M (except ASTM Standards G 53, and D 1790), CAN/CGSB 37.58-M, CAN/CGSB 51.32 (except ASTM Standard D 828), CSGB 37-GP-52M (except ASTM Standard D 3041), 37-GP-54M (withdrawn), 37-GP-56M (except Sections 7.2.6 and 7.2.10); Test methods referenced in Sections 4.0 of ICC-ES Acceptance Criteria AC07, 3.3.4 and 4.0 of AC308, 4.0 of AC48, 3.0 of AC71, 4.0 of AC114, 4.0 of AC213, 4.0 of AC310, and 3.0 of AC342
Windows and Doors	CGSB 82 GP-3M, 82-GP-4M, AAMAWDMA/CSA 101/1.S.2/A440: ASTM Standards E 283, E 330 (except ASTM Standard E 998), E 331, E 547 (except ASTM Standard E 631), E 997, E 1233 (except ASTM Standards E 998 and E 1986) and E 1424, E 1017, E 2570 (except ASTM Standards E 2134, E 2485 and AATCC 127), F 588 (except glazing impact), F 842 (except glazing impact), F 1233 (except ASTM Standards E 998 and E 1886); CAN/CGSB-12.5-M, 82.1-M, 82.5-M, 82.6-M, CAN/CSA-A440.2;

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SCOPE OF ACCREDITATION

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Windows and Doors (continued)	JIS A 4706 (Wind Pressure Resistance - in accordance with JIS A 1515; Air Tightness - in accordance with JIS A 1516; Water Tightness - in accordance with JIS A 1517, JIS K 6785 and NAFS-1; NFRC 400; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC168
Electrical and Electronic Products	Photovoltaic Devices ASTM Standards E1036, E1171, E1462, and E 1739; CAN/CSA-C61215:01, CEI/IEC 60904-1, 60904-3, 60904-5, 60904-7, 60904-9, 61215, 61646, IEC 60891, IEC 61721, IEC 61730-2 (except Sections 10.5, 10.8 and 11.11), IEC 61829, IEC 61853-1, IEC 62108; UL 1703 (except Sections 31, 37, 38), UL-C-ORD-C1703-01 (except Section 5.14), UL 8703, UL 2703; Test methods referenced in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC365 Appliances ASHRAE Standards 72 and 117; ASTM Standards A 90/A 90M; CAN/CSA C191, C742, C827, CAN/ULC-S110 (except Sections 4.6.3.2 and 4.6.3.3); CSA C439M; CSA P3, CSA P7, and CSA P9 Environmental CGSB 1-GP-71, Method 122.1 and 122.13

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Electrical and Electronic products (continued)	Solar and Weathering ASTM Standards D 518, D 523, D 1149 (except Sections 7 to 14), D 1171 (except ASTM Standard D 4575), D 1499 (except ISO 4892-4), D 2565 (except ASTM Standards D 1293 and ISO 4892-2), D 4459, D 4587, D 4798 (except ASTM Standards D 1670 and D 36), E 408 (Method A), G 152 (except ISO 4892-4), G 153 (except ISO 4892-4), G 154 (except ISO 4892-4), G 155 (except ISO 4892-2, SAE J2412, SAE J2527, ISO 105 B04, ISO 105 B05, ISO 105 B06, and ISO 1134), ISO 9806-1, ISO 9806-2, and ISO 9806-3; MIL-STD-810E Method 512.3; NISSAN NES M0135; SAE J1885 (cancelled Jan. 2008, Superseded by J2412), SAE J1960, J2412, and J2527; SRCC 100, SRCC TM-1, SRCC 600; Toyota TSH1585G; JIS D0205 Solar ASHRAE 93; CAN/CSA F378, CAN/CSA F379.1, F379.2; MIL-STD-810F (Method 505.4); EN 12975-2

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